RECEIVED
CENTRAL FAX CENTER
JUL 18 2006

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) An information output apparatus comprising:

a display panel for displaying a surface image of an object ~~an image~~;

~~an~~ unevenness output ~~element~~ elements ~~group~~ which ~~is~~ are arranged to be in contact with a surface of said display panel, for exhibiting ~~and displays~~ an unevenness level of ~~the image~~ a surface of the object by allowing physical deformation of said elements in accordance with voltage values respectively applied to said elements; and

~~a memory for storing unevenness information of the image; and~~

a control unit for controlling the unevenness level of said elements ~~the image~~ by controlling voltage values to be applied to said ~~unevenness output~~ elements within a region of the surface image of the object displayed on said display panel on the basis of the unevenness level of the surface of the object ~~information of the image stored in said memory~~.

2. (Currently Amended) An information output apparatus comprising:

a first display panel for displaying a plurality of surface images of objects;

a second display panel for displaying ~~an~~ a surface image of an object selected from the surface images of objects displayed on said first display panel;

~~an~~ unevenness output ~~element~~ elements ~~group~~ which ~~is~~ are arranged to be in contact with a surface of said second display panel, for exhibiting ~~and displays~~ an unevenness level of the selected surface image of the object;

a memory for storing unevenness information in accordance with ~~of~~ the surface images ~~image~~ of the objects; and

a control unit for reading unevenness information corresponding to the selected surface image of the object out of said memory and controlling the unevenness level of said elements ~~the image~~ by ~~extracting unevenness information corresponding to the selected image~~

~~from said memory, and~~ controlling voltage values to be applied to said ~~unevenness output~~ elements within a region of the surface image of the object displayed on said second display panel on the basis of the read ~~extracted~~ unevenness information.

3. (Canceled).

4. (Currently Amended) The apparatus according to claim 1, wherein said unevenness output ~~element group deforms~~ elements deform to a convex shape with respect to the surface of said display panel by different deformation amounts in correspondence with the voltage values applied by said control unit.

5. (Currently Amended) The apparatus according to claim 2, wherein said unevenness output ~~element group deforms~~ elements deform to a convex shape with respect to the surface of said second display panel by different deformation amounts in correspondence with the voltage values applied by said control unit.

6. (Canceled).

7. (Currently Amended) The apparatus according to claim 1, wherein said display panel is arranged on an upper surface of said unevenness output ~~element group~~ elements, an image displayed on said display panel can be directly identified, and said display panel deforms in correspondence with deformation of said unevenness output ~~element group~~ elements.

8. (Currently Amended) The apparatus according to claim 2, wherein said second display panel is arranged on an upper surface of said unevenness output ~~element group~~ elements, an image displayed on said second display panel can be directly identified, and said second display panel deforms in correspondence with deformation of said unevenness output ~~element group~~ elements.

9. (Canceled).

10. (Currently Amended) The apparatus according to claim 1, wherein said unevenness output ~~element group is~~ elements are formed of a transparent material, and

said unevenness output ~~element group is~~ elements are arranged on an upper surface of said display panel, and an image displayed on said display panel is identified via said transparent unevenness output ~~element group~~ elements.

11. (Currently Amended) The apparatus according to claim 2, wherein said unevenness output ~~element group is~~ elements are formed of a transparent material, and

said unevenness output ~~element group is~~ elements are arranged on an upper surface of said second display panel, and an image displayed on said second display panel is identified via said transparent unevenness output ~~element group~~ elements.

12. (Canceled).

13. (Currently Amended) A method of controlling an information output apparatus which comprises a display panel for displaying a surface image of an object ~~an image~~, ~~an evenness~~ unevenness output ~~element group~~ elements which ~~is~~ are arranged to be in contact with a surface of the display panel, for exhibiting ~~and displays~~ an unevenness level of ~~the image~~ a surface of the object by allowing physical deformation of said elements in accordance with voltage values respectively applied to said elements~~, and a memory for storing unevenness information of the image~~, comprising:

~~a step of reading out the unevenness information of the image from the memory; and~~

a control step of controlling voltage values to be applied to the unevenness output elements within a region of the surface image of the object displayed on the display panel on the basis of the ~~readout~~ unevenness level of the surface of the object ~~information of the image~~.

14. (Currently Amended) A control program for controlling an information output apparatus which comprises a display panel for displaying a surface image of an object ~~an image~~, ~~an~~ unevenness output ~~element group~~ elements which ~~is~~ are arranged to be in contact with a surface of the display panel, for exhibiting ~~and displays~~ an unevenness level of ~~the image~~ a surface of the object by allowing physical deformation of said elements in accordance with voltage values respectively applied to said elements~~, and a memory for storing unevenness information of the image~~, comprising:

~~a program code of a step of reading out the unevenness information of the image form the memory; and~~

a program code of a control step of controlling voltage values to be applied to the unevenness output elements within a region of the surface image of the object displayed on the display panel on the basis of the ~~readout~~ unevenness level of the surface of the object ~~information of the image~~.